

### Abstract

In a power generator unit composed of a generator and a piston internal combustion engine as the drive, particularly a synchronous generator and a diesel engine, with permanent magnets arranged in the rotor of the generator, in the area of the poles, for its excitation, and a rotor winding (28) in the stator, holder pockets (34) that are open at least on one side are formed in the pole regions of the rotor (29), in the axial direction, which border on the air gap (33) formed with the stator (11) with a cylindrical circumference wall (50); the permanent magnets of the pole regions are each formed by a plurality of magnet elements (35), which are arranged next to one another within the holder pockets (34) in the circumference direction.

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